

Claims:

- Sub A1
- 5
1. An earpiece for auditory testing, comprising:
a first baffle;
a cover attached to the first baffle forming a first cavity; and
a second baffle positioned within the first cavity,
wherein least a portion of the second baffle is attached to one of the cover and
the first baffle to form a second cavity.
2. The earpiece of claim 1, wherein the second baffle is adapted to be coupled to
a sound source to permit sound to be directed into the second cavity.
3. The earpiece of claim 1, wherein the first baffle is sized large enough to fit
around an ear.
4. The earpiece of claim 1, wherein the first baffle has a first side and a second
side and wherein an adhesive attaches the first side to the cover.
5. The earpiece of claim 1, wherein the cover is non-planar.
- 15 6. The earpiece of claim 1, wherein the cover is planar.
7. The earpiece of claim 1, wherein at least a portion of the cover is substantially
transparent.
8. The earpiece of claim 1, further comprising a conductive element coupled to
the first baffle.
- 20 9. The earpiece of claim 8, wherein the conductive element is made of a
silver/silver-chloride carbon film.

10. The earpiece of claim 8, wherein the conductive element further comprises a tab portion that extends past the first baffle.

11. The earpiece of claim 1, further comprising a conductive adhesive coating covering at least a portion of the first baffle.

5 12. The earpiece of claim 1, wherein the second baffle is comprised of a first portion and a second portion and where the first portion is attached to the second portion to form an integral second baffle.

13. The earpiece of claim 1, further comprising a tube for connecting a sound source to the second cavity.

10 14. The earpiece of claim 1, wherein the second baffle further comprises an aperture for coupling a sound source to the second cavity.

15 15. The earpiece of claim 1, wherein the cover further comprises an aperture for coupling a sound source to the second cavity.

16. The earpiece of claim 1, further comprising a transducer which delivers sound into the second cavity.

17. The earpiece of claim 1, wherein the first baffle is constructed of flexible foam material.

18. The earpiece of claim 1, wherein the second baffle is constructed of flexible foam material.

20 19. An earpiece for auditory testing, comprising:

means for forming an acoustic boundary capable of encircling an ear;

means for covering the forming means to create a first chamber; and

means located within the first chamber for creating a second chamber.

20. The earpiece of claim 19, further comprising means for delivering sound into the second chamber.

21. The earpiece of claim 20, wherein the means for delivering sound is a tube that communicates with the second chamber.

22. The earpiece of claim 19, wherein at least a portion of the means for covering is substantially transparent.

23. A method for auditory testing, comprising the steps of:
forming a first chamber over an ear;
forming a second chamber located within the first chamber;
aligning the second chamber so that the second chamber is operatively positioned over an ear canal; and
introducing sound into the second chamber.